

**Wednesday, March 19, 1997**  
**MARS WATER, CLIMATE, AND LIFE**  
**8:30 a.m. Room B**

**Chairs: C. A. Allen**  
**K. E. Herkenhoff**

Herkenhoff K. E.\* Plaut J. J. Nowicki S. A.  
*Surface Age and Resurfacing Rate of the North Polar Layered Terrain on Mars*

Frey H. V.\* Roark J. H.  
*Lowlying Ancient Terrain (LAT) on Mars: The Western Arabian Shelf (WAS)*

De Hon R. A.\*  
*The Relationship of Subdued Grooved Terrain, Mesas, and Knobs in Northern Elysium Planitia Mars*

Cabrol N. A.\*  
*Early Amazonian Lake in Gale Crater (Mars)*

Clifford S. M.\*  
*The Origin of the Martian Intercrater Plains: The Role of Liquefaction from Impact and Tectonic-Induced Seismicity*

Brain D. A.\* Jakosky B. M.  
*Loss of Martian Atmosphere by Impacts Since the Formation of the Martian Geologic Record*

Zent A. P.\*  
*The Role of Impact Gardening in Disturbing the Oxidation Stratigraphy of the Martian Regolith*

Mellon M. T.\*  
*Thermal Contraction Cracks in Martian Permafrost: Implications for Small-Scale Polygonal Features*

Gulick V. C.\* Haberle R. M. McKay C. P.  
*Episodic Greenhouse Climates on Mars*

Barlow N. G.\*  
*The Search for Possible Source Craters for Martian Meteorite ALH84001*

Allen C. C.\* Thomas-Keprta K. L. McKay D. S. Chafetz H. S.  
*Nanobacteria in Carbonates*

Cady S. L.\* Walter M. R. Des Marais D. J. Blank C. E.  
*Exopaleontological Search Strategy for Mars Exploration: A Case for Siliceous Epithermal Deposits*

Nealson K. H.\* Carr M. H. Clark B. C. Doolittle R. F. Jakosky B. M. Korwek E. L. Pace N. R.  
Poindexter J. S. Race M. S. Reysenbach A. L. Schopf J. W. Stevens T. O.  
*Planetary Protection Measures for Mars Sample Return*